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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/940,885	08/29/2001	Masahiro Kawasaki	500.45062X00	5638	
20457	7590 10/06/2005		EXAM	EXAMINER	
	I, TERRY, STOUT &	ERDEM,	ERDEM, FAZLI		
1300 NORTH SEVENTEENTH STREET SUITE 1800		ART UNIT	PAPER NUMBER		
ARLINGTON	I, VA 22209-3873		2826		

DATE MAILED: 10/06/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)				
Office Action Summary		09/940,885	KAWASAKI ET AL.				
		Examiner	Art Unit				
		Fazli Erdem	2826				
	The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).							
Status							
1)🛛	Responsive to communication(s) filed on 25 Ju	<u>ıly 2005</u> .					
2a) <u></u> □	This action is FINAL .	action is non-final.					
3)□	Since this application is in condition for allowance except for formal matters, prosecution as to the ments is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims							
5)⊠ 6)⊠ 7)□	Claim(s) <u>2-5,9 and 16-25</u> is/are pending in the 4a) Of the above claim(s) is/are withdraw Claim(s) <u>2,3,5,9 and 16-25</u> is/are allowed. Claim(s) <u>4</u> is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restriction and/or	vn from consideration.					
,	on Papers	•					
9) The specification is objected to by the Examiner.							
10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.							
,	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.							
Priority u	inder 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.							
Attachment	i(s)						
1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413)							
3) 🔲 Inform	e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) r No(s)/Mail Date	Paper No(s)/Mail Dat 5) Notice of Informal Pa 6) Other:		D-152)			

DETAILED ACTION

Allowable Subject Matter

1. Claims 2, 3, 5, 9 and 16-25 allowed.

Claim Rejections - 35 USC § 103

- 2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 3. Claim 4 rejected under 35 U.S.C. 103(a) as being unpatentable over Tanaka et al. (6,674,093) in view of Orita et al. (6,344,375).

Regarding Claim 4, Tanaka et al. disclose an active matrix substrate and manufacture therefor where in Fig. 6 it is discloses an active matrix type display device using a thin film transistor as a switching element in the displaying portion or driving portion where the thin film transistor comprises an insulating substrate 101 on which a gate electrode 102, a gate insulating film 103, a semiconductor layer 104, a drain electrode and source electrode 106 and a passivation film 107 are successively laminated. Tanaka et al. fail to disclose the required void dimensions for the amorphous silicon semiconductor layer. However, Orita et al. disclose a substrate containing compound semiconductor method for manufacturing the same and semiconductor device using the same where in Claim 7, the required void dimension for the amorphous silicon semiconductor layer.

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It would have been obvious to one of having ordinary skill in the art at the time

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the invention was made to include the required void dimension for amorphous silicon

semiconductor layer in Tanaka et al. as taught by Orita et al. in order to have a

semiconductor device with increased reliability.

Conclusion

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Fazli Erdem whose telephone number is (571) 272-1914. The

examiner can normally be reached on M - F 8:00 - 5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Nathan Flynn can be reached on (571) 272-1915. The fax phone number for the

organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

FE

September 28, 2005

NATHAN J. FLYNN SUPERVISORY PATENT EXAMINER

TECHNOLOGY CENTER 2900

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